

## FO patch cable - FOC-LC:A-LC:A-GZ01/1 - 1409787

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Assembled FO cable, zip cord cable, multi-mode fiberglass 50/125 µm, OM2, plug: LC/LC, degree of protection: IP20, for installation in cable ducts or control cabinets, length: 1 m

### Your advantages

- ✓ Multi-mode patch cable for indoor installation
- ✓ Ideal for use in distributor systems and for connecting termination devices
- ✓ All components satisfy UL 94, V0
- ✓ 2.8 mm single elements made from halogen-free and flame-retardant material
- ✓ Interferometer tests at every stage of the certification process
- ✓ Excellent mechanical and optical properties
- ✓ Satisfies optical and mechanical industry standards
- ✓ Connector with UPC polishing for optimum attenuation values
- ✓ Insertion loss  $\leq 0.5$  dB
- ✓ Return loss  $\geq 35$  dB
- ✓ Comprehensively tested according to IEC 61753-122-2 and IEC 61753-1 Cat. C
- ✓ Temperature fluctuation test according to IEC 61300-2-1
- ✓ Vibration test according to IEC 61300-2-1
- ✓ Tensile strength of the cable connection according to IEC 61300-2-5

RoHS

IP20

### Key Commercial Data

|              |                                                                                                         |
|--------------|---------------------------------------------------------------------------------------------------------|
| Packing unit | 1 pc                                                                                                    |
| GTIN         | <br>4 046356 882132 |
| GTIN         | 4046356882132                                                                                           |

### Technical data

#### Mechanical characteristics

|                                        |            |
|----------------------------------------|------------|
| Insertion/withdrawal cycles            | $\geq 500$ |
| Weight                                 | 28.4 g     |
| Flammability rating according to UL 94 | V0         |

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## Technical data

### Ambient conditions

|                                         |                  |
|-----------------------------------------|------------------|
| Ambient temperature (operation)         | -10 °C ... 60 °C |
| Ambient temperature (assembly)          | -5 °C ... 50 °C  |
| Ambient temperature (storage/transport) | -10 °C ... 60 °C |

### Electrical characteristics

|                  |         |
|------------------|---------|
| Lateral strength | 60 N/cm |
|------------------|---------|

### Standards and Regulations

|                                        |                              |
|----------------------------------------|------------------------------|
| Flame resistance                       | yes                          |
| Halogen-free                           | complying with IEC 60754-1/2 |
| Flammability rating according to UL 94 | V0                           |

### Line characteristics

|                                               |                                               |
|-----------------------------------------------|-----------------------------------------------|
| Type of cable                                 | Zip cord                                      |
| Cable type                                    | Fiberglass                                    |
| Cable abbreviation                            | I-V(ZN)H                                      |
| External cable diameter                       | 2.8 mm (Zip cord)                             |
| Wire colors                                   | -                                             |
| External sheath, color                        | orange                                        |
| Wavelength                                    | 850, 1300 nm                                  |
| Transmission medium                           | Multi-mode fiberglass                         |
| Number of fibers                              | 2                                             |
| Fiber type                                    | Multi-mode 50/125 µm fiberglass               |
| Fiber                                         | 50/125 µm                                     |
| Cable, attenuation                            | 2.7 dB/km (at 850 nm); 0.8 dB/km (at 1300 nm) |
| Outer sheath, material                        | LSZH                                          |
| Cable weight                                  | 15.80 kg/km                                   |
| Smallest bending radius, fixed installation   | 30 mm                                         |
| Smallest bending radius, movable installation | 60 mm                                         |
| Tensile strength short-term/long-term         | 600 N                                         |
| cable layer type                              | Indoors                                       |
| Flame resistance                              | yes                                           |
| Halogen-free                                  | complying with IEC 60754-1/2                  |

### Environmental Product Compliance

|            |                                                                                                     |
|------------|-----------------------------------------------------------------------------------------------------|
| China RoHS | Environmentally Friendly Use Period = 50 years                                                      |
|            | For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration" |

## Classifications

eCl@ss

|               |          |
|---------------|----------|
| eCl@ss 10.0.1 | 27061003 |
|---------------|----------|

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### Classifications

#### eCl@ss

|            |          |
|------------|----------|
| eCl@ss 4.0 | 27260700 |
| eCl@ss 4.1 | 27260700 |
| eCl@ss 5.0 | 27260700 |
| eCl@ss 5.1 | 27260700 |
| eCl@ss 6.0 | 27260700 |
| eCl@ss 7.0 | 27440309 |
| eCl@ss 8.0 | 27061003 |
| eCl@ss 9.0 | 27061003 |

#### ETIM

|          |          |
|----------|----------|
| ETIM 3.0 | EC001121 |
| ETIM 4.0 | EC000034 |
| ETIM 5.0 | EC001263 |
| ETIM 6.0 | EC001263 |
| ETIM 7.0 | EC001263 |

#### UNSPSC

|               |          |
|---------------|----------|
| UNSPSC 6.01   | 31261501 |
| UNSPSC 7.0901 | 31261501 |
| UNSPSC 11     | 31261501 |
| UNSPSC 12.01  | 31261501 |
| UNSPSC 13.2   | 26121607 |
| UNSPSC 18.0   | 26121607 |
| UNSPSC 19.0   | 26121607 |
| UNSPSC 20.0   | 26121607 |
| UNSPSC 21.0   | 26121607 |

### Approvals

#### Approvals

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Approvals

UL Listed / EAC

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Ex Approvals

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#### Approval details

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### Approvals

UL Listed



<http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm> E308814-20070105

EAC



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